

**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
SEQUOIA AND KINGS CANYON NATIONAL PARKS  
AND  
UNITED STATES GEOLOGICAL SURVEY**

This Memorandum of Understanding, herein referred to as "Agreement" is entered into between the Sequoia and Kings Canyon National Parks, hereinafter referred to as the "Park Service"; and the United States Geological Survey, hereinafter referred to as the "USGS".

**ARTICLE I - BACKGROUND AND OBJECTIVES**

A. An agreement was entered into between the Park Service, Sequoia National Forest, California Department of Forestry and Fire Protection, the Bureau of Land Management, and the Kern County Fire Department to develop a landscape-scale framework for interagency wildland fuels management planning (see Attachment A). These agencies collectively have established the Southern Sierra Geographic Information Cooperative, hereinafter referred to as the "SSGIC". The Park Service is the lead agency with oversight and fiscal responsibility for the SSGIC. The USGS has the responsibility to provide governmental entities and the general public with current accurate, geospatial data and geographic information, and remotely sensed data for the United States and its outlying areas of jurisdiction.

B. The USGS is assisting the Park Service with developing and managing an Internet Mapping Site that will be used to meet important goals of the SSGIC.

C. The purpose of this Agreement is to design, test, and implement an interagency Internet Mapping Site using appropriate hardware and software.

D. The geographic scope of this project includes the Kings, Kaweah, Tule, Kern, Caliente, and Mojave watersheds as shown in Attachment B "Southern Sierra Geographic Information Cooperative Area".

**ARTICLE II - LEGISLATIVE AUTHORITY**

This Agreement is entered into under the authority of the Reciprocal Fire Protection Act, 42 USC 1856a, which authorizes agencies to enter into agreements for mutual assistance for fire protection activities.

**ARTICLE III - STATEMENT OF WORK**

A. The Park Service agrees to:

1. Serve as liaison between the SSGIC and the USGS.
2. Purchase all hardware and Software required to directly support the SSGIC Web Server with the exception of the Oracle and SDE licensing.

NOTE: SDE is an ESRI product that allows storage and management of spatial data in a relational database management system (RDBMS).

3. Develop, Implement, and Maintain Web Interface including data downloading, uploading, and Internet Mapping functionalities.
4. Maintain and Update geospatial data as needed.
5. Issue Interagency Acquisition Agreements in accordance with Article VI to transfer funding to USGS for activities arising pursuant to this Agreement.
6. Be responsible for maintaining and implementing the system security plan.

B. The USGS agrees to:

1. Provide overall technical consultation and guidance for establishing and maintaining an Internet Mapping Application.
2. Set up and manage an SSGIC Server located at the USGS Offices located in the Federal Center in Denver Colorado, including:
  - a. Regular and jointly agreed upon backups of data.
  - b. Operating System and Web Server Maintenance including upgrades.
  - c. Applications Systems Maintenance including upgrades for Internet map server and web server software.
  - d. Completion of any needed hardware upgrades to server including addition of either processors or additional hard-drives.
3. Support the storage and maintenance of vector data utilizing the GEOMAC fire web site as an SDE/Oracle repository and presentation mechanism for SSGIC vector data.

NOTE: GeoMAC is an application developed during the 2000 fire season by the **Geospatial Multi-Agency Coordination Group**. GeoMAC is an internet based mapping application which allows firefighting coordination centers and incident command teams to access online maps of current fire locations and perimeters using standard web browsers such as Netscape Communicator™ or Microsoft Internet Explorer™.

4. Assist the SSGIC in the development of a Federal Geographic Data Committee (FGDC) compatible data clearinghouse using the SSGIC server.

NOTE: The **Federal Geographic Data Committee** coordinates the development of the National Spatial Data Infrastructure ([NSDI](#)). The NSDI encompasses policies, standards, and procedures for organizations to cooperatively produce and share geographic data. The 17 federal agencies that make up the FGDC are developing the NSDI in cooperation with organizations from state, local and tribal governments, the academic community, and the private sector.

5. Assist with the development of the system security plan.

6. Provide existing USGS geospatial files as needed.

C. Both agencies agree to:

Report on results and provide recommendations to other regional collaborative groups interested in setting up Internet Mapping Sites.

#### **ARTICLE IV - TERM OF AGREEMENT**

This Agreement shall become effective on the date of the final signature and shall remain in effect for three years.

#### **ARTICLE V – KEY OFFICIALS**

The personnel listed below are identified as key officials and considered essential to the project being performed under this Agreement.

##### **A. PARK SERVICE**

Pat Lineback  
GIS Coordinator  
Sequoia and Kings Canyon National Parks  
Three Rivers, CA 93271

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##### **B. USGS**

John D. Guthrie  
USGS/National Mapping Division  
Box 25046, Denver Federal Center  
Bldg. 810, MS 516  
Denver, CO 90225-0056

TL: 303-202-4289  
FAX: 303-202-4020  
Email jdguthrie@usgs.gov

#### **ARTICLE VI - PAYMENT AND INVOICES**

A. The commitment of funds in furtherance of this Agreement shall be authorized by individual written Interagency Acquisition Agreements issued against this Agreement by a Park Service contracting officer identifying each project or group of projects, amounts of funding, account number(s), and any other special term or condition applicable to that project.

B. Nothing in this Agreement shall be construed as obligating the Park Service to expend any funds in excess of those appropriated by law for any given fiscal year.

**ARTICLE VII – LIABILITY**

Each party agrees to waive all claims against the other party for compensation for any loss, damage, personal injury, or death occurring in consequence of the performance of this Agreement.

**ARTICLE VIII - PRIOR APPROVAL**

Any expenditure of funds will require prior written approval by the NPS GIS Coordinator and issuance of an Interagency Acquisition Agreement signed by a Park Service contracting officer. Prior to the commencement of any work requiring exchange of funds, a proposal from the USGS describing the deliverable product, delivery schedule, and funding, shall be submitting to the Park Service key official.

**ARTICLE IX – MODIFICATION/TERMINATION**

- A. This Agreement may be modified at any time upon written approval of the parties.
- B. Either party may terminate this Agreement by providing the other party 60 days advance written notice.

**ARTICLE X- ATTACHMENTS AND APPENDICES**

- A. Attachment A - Agreement Between Sequoia and Kings Canyon National Parks And Sequoia National Forest, California Department of Forestry and Fire Protection Tulare Ranger Unit, Bureau of Land Management, Bakersfield Field Office, and Kern County Fire Department.
- B. Attachment B - Map of six watersheds comprising the Southern Sierra Geographic Information Cooperative Area.

**ARTICLE XI - AUTHORIZING SIGNATURES**

Agreed Upon and Approved by:

“Signed”

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Richard Martin  
Park Superintendent,  
USDI - National Park Service  
Sequoia and Kings Canyon National Parks

\_\_\_\_\_  
Date

“Signed”

\_\_\_\_\_  
Craig D. Skalet  
Acting Chief,  
USGS-Rocky Mountain Mapping Center

\_\_\_\_\_  
Date